

CLAIMS

1. A method of creating a collection of isolated biological specimens, wherein each isolated biological specimen is preserved within a defined length of time following isolation of the specimen from its natural environment and is subsequently stored, and wherein the defined length of time between isolation and preservation of the various specimens has a defined maximum deviation.
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- 10 2. A method as defined in claim 1,
characterized in that
the condition of each biological specimen following isolation thereof from its natural environment and prior to preservation thereof is recorded and documented.
- 15 3. A method as defined in claim 1 or claim 2,
characterized in that
said biological specimen has a defined volume.
- 20 4. A method as defined in any one of claims 1 through 3,
characterized in that
said defined maximum deviation from said defined period of time is not more than approx. 10 %, preferably not more than approx. 5 %, based on said defined period of time.
- 25 5. A method as defined in any one of claims 1 through 4,
characterized in that
said defined period of time is shorter than approximately 25 minutes, preferably shorter than approximately 15 minutes.
- 30 6. A method as defined in any one of claims 1 through 5,
characterized in that
said defined period of time is approximately 12 minutes.

7. A method as defined in any one of claims 1 through 5,
characterized in that
said defined period of time is approximately 10 minutes.

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8. A method as defined in any one of claims 1 through 7,
characterized in that
preservation is effected by cryopreservation or by chemical preservation.

10 9. A method as defined in claim 8,
characterized in that
said chemical preservation involves the use of a crosslinking agent having reactive groups.

15 10. A method as defined in claim 9,
characterized in that
said crosslinking agent is selected from the group consisting of formaldehyde, polyaldehydes, preferably dialdehydes, polyepoxide compounds, preferably diepoxide and/or triepoxide compounds, and mixtures thereof.

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11. A method as defined in any one of claims 1 through 10,
characterized in that
said isolated biological specimen is human tissue.

25 12. A method as defined in claim 11,
characterized in that
said human tissue is tumor-free tissue, tumor tissue and/or adipose tissue.

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13. A method as defined in claim 12,
characterized in that
said tumor tissue is central or peripheral tumor tissue.

14. A method as defined in any one of claims 1 through 13,

characterized in that

data sets are assigned to said specimens.

15. A method as defined in claim 14,

characterized in that

said data sets contain information on the case history, medication, anesthesia, course of the operation, clinical parameters, and/or after-care data.

16. A collection of biological specimens, containing isolated biological specimens which have been processed by the method defined in any one of claims 1 through 15.